

REDACTED

United States Environmental Protection Agency
Region 4



35TH AVENUE REMOVAL INVESTIGATION
BIRMINGHAM, ALABAMA
JEFF CROWLEY, ON-SCENE COORDINATOR

FIELD SAMPLING LOGBOOK

Book 1 of

Inclusive Dates: 2/18/2013 to 2/22/2013

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b)	(6)	OTIE, Team Leader
		AES
		OTIE

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Sampling Procedures and Methodology

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and \leq $\frac{1}{4}$ -acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over $\frac{1}{4}$ -acre in parcel lot size will be divided into $\frac{1}{4}$ -acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SESD FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34th Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SESD FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The **station ID** for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with "A".

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The **sample ID** for each sample is the station ID with "CS" (composite soil), "GS" (grab soil), "SD" (sediment), or "SW" (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a "D" to the end of the sample ID. Pan splits will be identified by appending an "SP" to the end of the sample ID.

ADDRESS: (b) (6)

PROPERTY ID: HP0043

DATE: 2/19/13

ARRIVAL TIME: 0840

Other pertinent information (weather conditions, etc.):

49°F Fog, Wind WNW 12 MPH

PROPERTY COMMENTS:

Resident @ home. (b) (6)

(GMC) splits samples

Grid for property sketch



STATION ID: HP0043A SAMPLE ID: #P0043A-CS-SP

SAMPLE COLLECTION TIME: 0856

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0043A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.5644558</u> N Longitude: <u>86.79577225</u> <u>86.79574062</u> W Media description: <u>brwn sandy silt moist</u>
Aliquot #2: Latitude: <u>33.56419281</u> N Longitude: <u>86.79574319</u> W Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.56418955</u> N Longitude: <u>86.79570648</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.56421228</u> N Longitude: <u>86.79566298</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.56415746</u> N Longitude: <u>86.79566109</u> W Media description: <u>same as above</u>

STATION ID: HP0043B SAMPLE ID: #P0043B-CS-SP

SAMPLE COLLECTION TIME: 0908

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0043B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.5644558</u> N Longitude: <u>86.79577225</u> W Media description: <u>brown clayee silt wet + coal fragments</u>
Aliquot #2: Latitude: <u>33.56451329</u> N Longitude: <u>86.79576636</u> W Media description: <u>same as #1</u>
Aliquot #3: Latitude: <u>33.56448825</u> N Longitude: <u>86.79572232</u> W Media description: <u>same as #1</u>
Aliquot #4: Latitude: <u>33.56450082</u> N Longitude: <u>86.79568688</u> W Media description: <u>same as #1</u>
Aliquot #5: Latitude: <u>33.56444355</u> N Longitude: <u>86.79567728</u> W Media description: <u>same as #1</u>

ADDRESS: **(b) (6)** PROPERTY ID: HP0250

DATE: 2/19/13 ARRIVAL TIME: 0930

Other pertinent information (weather conditions, etc.):

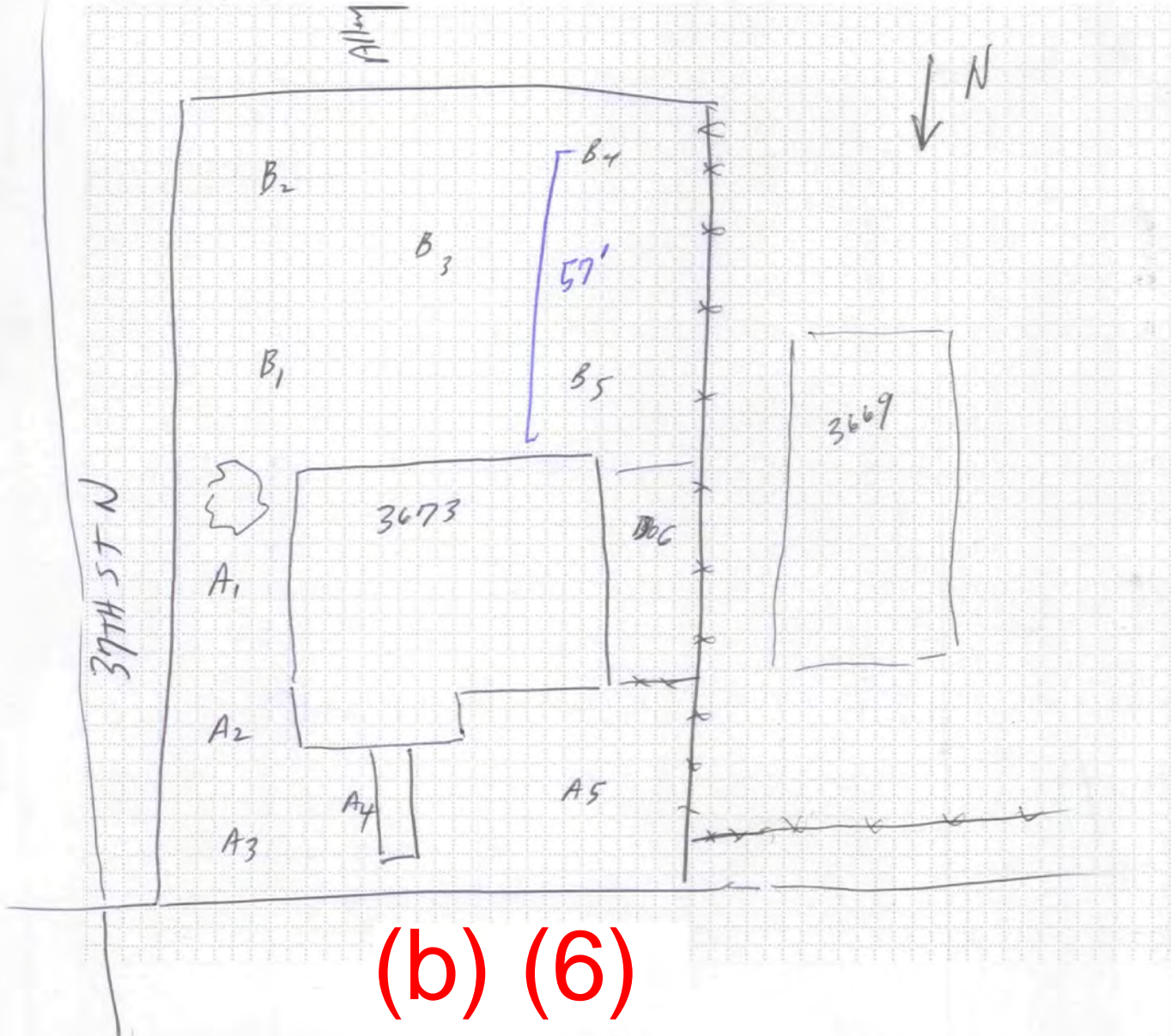
50° Partly sunny, wind NW @ 5-10

PROPERTY COMMENTS:

Resident @ home, corner lot

Split samples w/ **(b) (6)** (GMC)

Grid for property sketch



(b) (6)

STATION ID: HP0250A SAMPLE ID: HP0250A-CS-SP

SAMPLE COLLECTION TIME: 0942

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample Station ID: HP0250A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56643775</u> N Longitude <u>86.79082352</u> W Media description: <u>brown silt w/ coal pieces moist</u>
Aliquot #2: Latitude: <u>33.56648708</u> N Longitude <u>86.79082397</u> W Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.56654798</u> N Longitude <u>86.79083417</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.56654708</u> N Longitude <u>86.79082927</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.56655642</u> N Longitude <u>86.79094554</u> W Media description: <u>same as above</u>

STATION ID: HP0250B SAMPLE ID: HP0250B-CS-SP

SAMPLE COLLECTION TIME: 0955

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0250B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56634091</u> N Longitude <u>86.79082892</u> W Media description: <u>brown clayey silt wet + coal fragments</u>
Aliquot #2: Latitude: <u>33.56624186</u> N Longitude <u>86.79083804</u> W Media description: <u>same as #1</u>
Aliquot #3: Latitude: <u>33.56629836</u> N Longitude <u>86.79088716</u> W Media description: <u>dark/black silt with coal chips</u>
Aliquot #4: Latitude: <u>33.56624761</u> N Longitude <u>86.79092983</u> W Media description: <u>same as #3</u>
Aliquot #5: Latitude: <u>33.56635668</u> N Longitude <u>86.79090429</u> W Media description: <u>same as #3</u>

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0667

DATE: 2/19/13 ARRIVAL TIME: 1050

Other pertinent information (weather conditions, etc.):

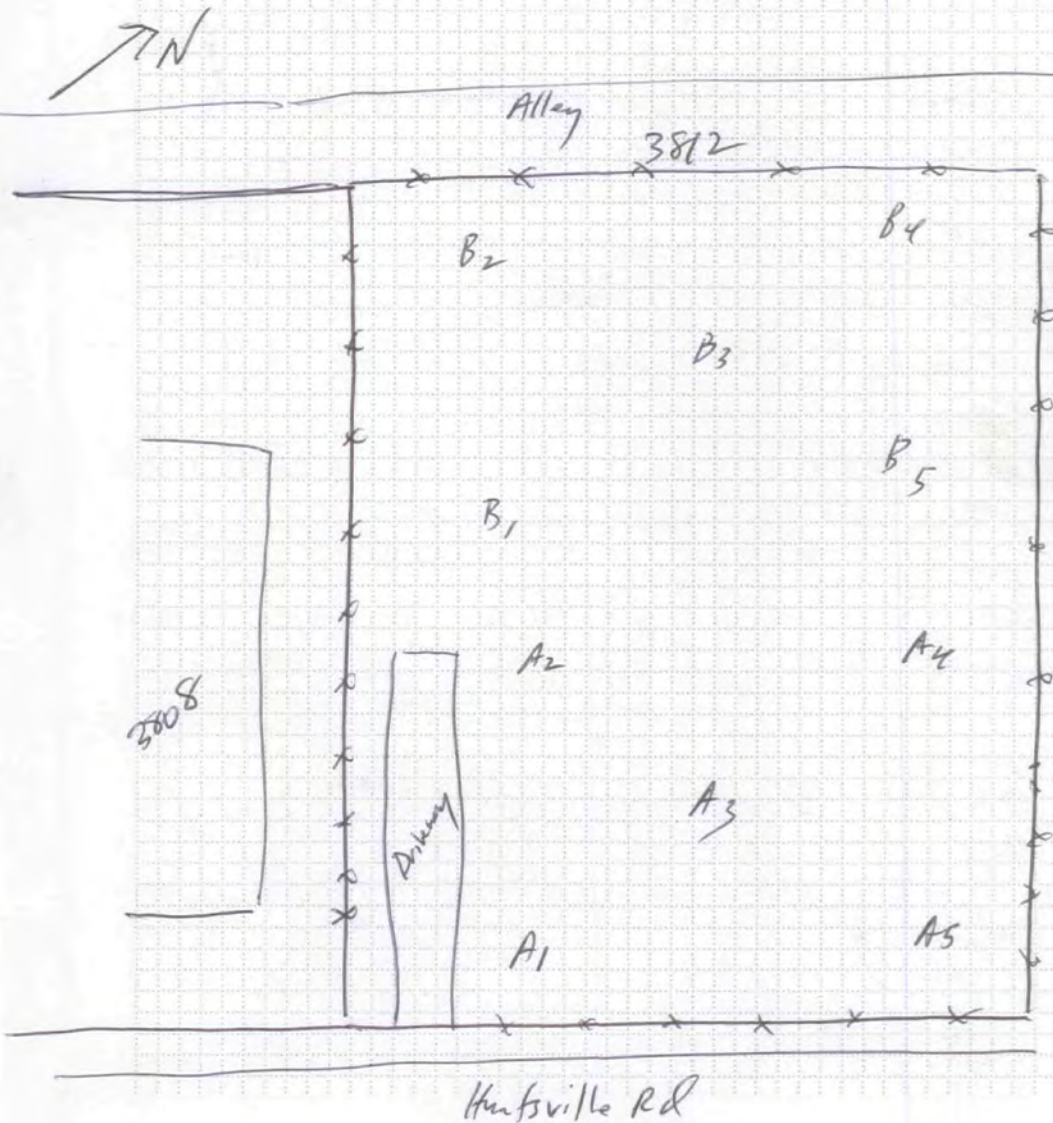
50°, mostly cloudy, wind N @ 10 mph

PROPERTY COMMENTS:

Vacant lot

Split samples w/ (b) (6) (Gmc)

Grid for property sketch



STATION ID: CV0667A SAMPLE ID: CV0667A-CS-SP

SAMPLE COLLECTION TIME: 1100

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
front (road side) of lot

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: CV0667A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18165</u> Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.56022362</u> N Longitude <u>86.80011729</u> W	Media description: <u>orange clay wet</u>
Aliquot #2: Latitude: <u>33.56029892</u> N Longitude <u>86.80021823</u> W	Media description: <u>brn clayey silt</u>
Aliquot #3: Latitude: <u>33.56028950</u> N Longitude <u>86.80014461</u> W	Media description: <u>brn clayey silt</u>
Aliquot #4: Latitude: <u>33.56035694</u> N Longitude <u>86.80017583</u> W	Media description: <u>brn clayey silt</u>
Aliquot #5: Latitude: <u>33.56026853</u> N Longitude <u>86.80005746</u> W	Media description: <u>orange clay wet</u>

STATION ID: CV0667B SAMPLE ID: CV0667B-CS-SP

SAMPLE COLLECTION TIME: 1112

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
back side of lot

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: CV0667B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18165</u> Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.56035246</u> N Longitude <u>86.80028644</u> W	Media description: <u>orange/brn clay wet</u>
Aliquot #2: Latitude: <u>33.56042711</u> N Longitude <u>86.80040241</u> W	Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.56040627</u> N Longitude <u>86.80031041</u> W	Media description: <u>brn silty clay w/ coal fragments</u>
Aliquot #4: Latitude: <u>33.56047683</u> N Longitude <u>86.80033736</u> W	Media description: <u>brn silty clay w/ coal fragments</u>
Aliquot #5: Latitude: <u>33.56038590</u> N Longitude <u>86.80024031</u> W	Media description: <u>orange/brn clay wet</u>

ADDRESS (b) (6)

DATE: 2/19/13

PROPERTY ID: LV 0276

ARRIVAL TIME: 1125

Other pertinent information (weather conditions, etc.):

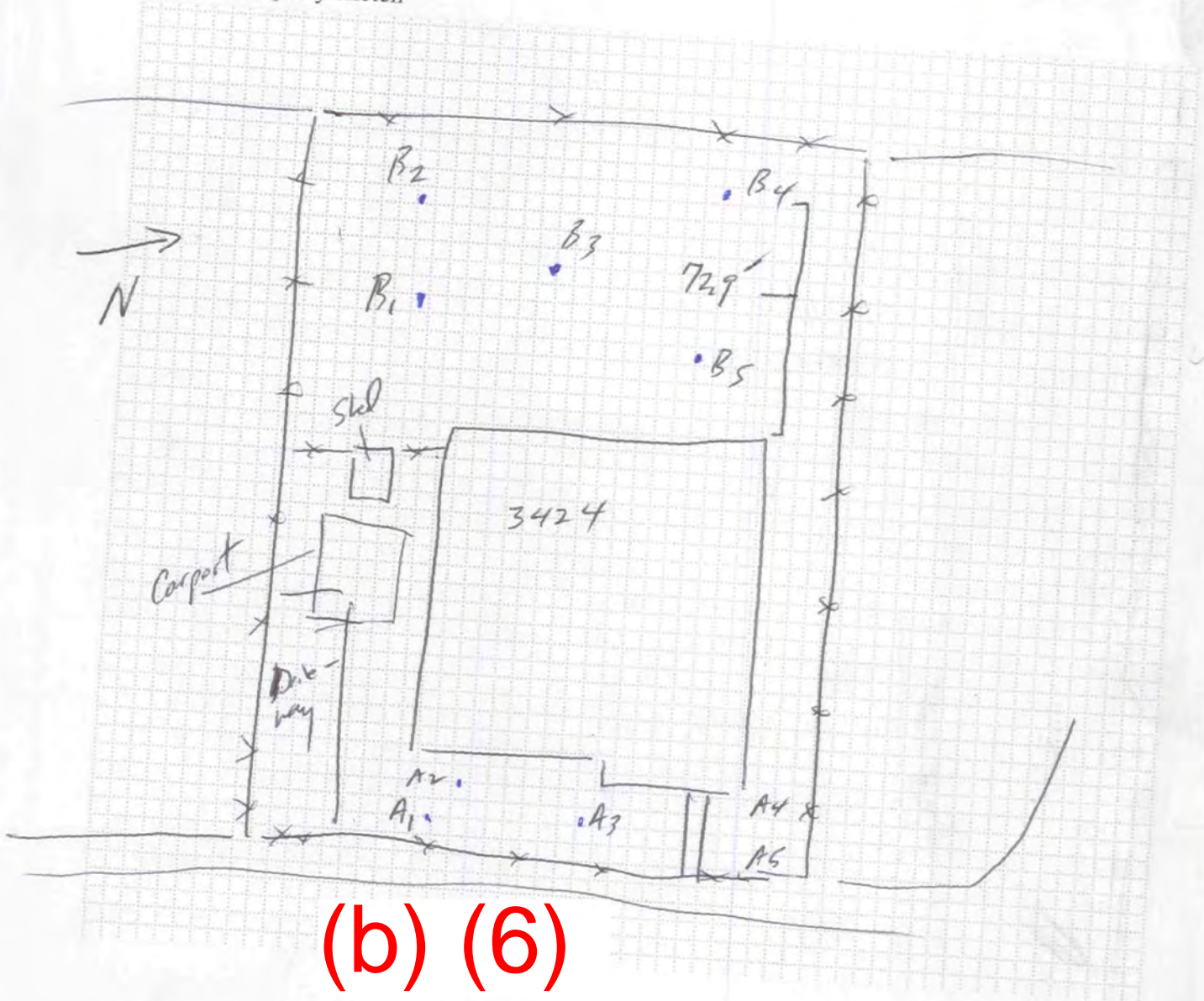
50°F, mostly sunny, wind NE @ 5-10

PROPERTY COMMENTS:

Resident @ home.

Split samples w/ (b) (6) (6mc)

Grid for property sketch



(b) (6)

STATION ID: CV0276A SAMPLE ID: CV0276A-CS-SP

SAMPLE COLLECTION TIME: 1140

Description of sample location (~~front~~, back, side, yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0276A

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18165</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1: Latitude: <u>33.55912829</u>	N Longitude: <u>86.80316947</u>		W
Media description: <u>brwn silt moist</u>			
Aliquot #2: Latitude: <u>33.55913128</u>	N Longitude: <u>86.80322457</u>		W
Media description: <u>same as above</u>			
Aliquot #3: Latitude: <u>33.55915993</u>	N Longitude: <u>86.80320509</u>		W
Media description: <u>same as above</u>			
Aliquot #4: Latitude: <u>33.55919546</u>	N Longitude: <u>86.80321646</u>		W
Media description: <u>same as above</u>			
Aliquot #5: Latitude: <u>33.55919235</u>	N Longitude: <u>86.80316646</u>		W
Media description: <u>same as above</u>			

STATION ID: CV0276B SAMPLE ID: CV0276B-CS-SP

SAMPLE COLLECTION TIME: 1151

Description of sample location (front, ~~back~~, side, yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0276B

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18165</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1: Latitude: <u>33.55908562</u>	N Longitude: <u>86.80348835</u>		W
Media description: <u>brwn silty clay w/ coal fragments moist</u>			
Aliquot #2: Latitude: <u>33.55909332</u>	N Longitude: <u>86.80356360</u>		W
Media description: <u>same as above</u>			
Aliquot #3: Latitude: <u>33.55914140</u>	N Longitude: <u>86.80351540</u>		W
Media description: <u>same as above</u>			
Aliquot #4: Latitude: <u>33.55918061</u>	N Longitude: <u>86.80355501</u>		W
Media description: <u>same as above</u>			
Aliquot #5: Latitude: <u>33.55918587</u>	N Longitude: <u>86.80345567</u>		W
Media description: <u>same as above</u>			

(b) (6)

ADDRESS:

PROPERTY ID:

C10038

DATE:

2/19/12

ARRIVAL TIME:

Other pertinent information (weather conditions, etc.):

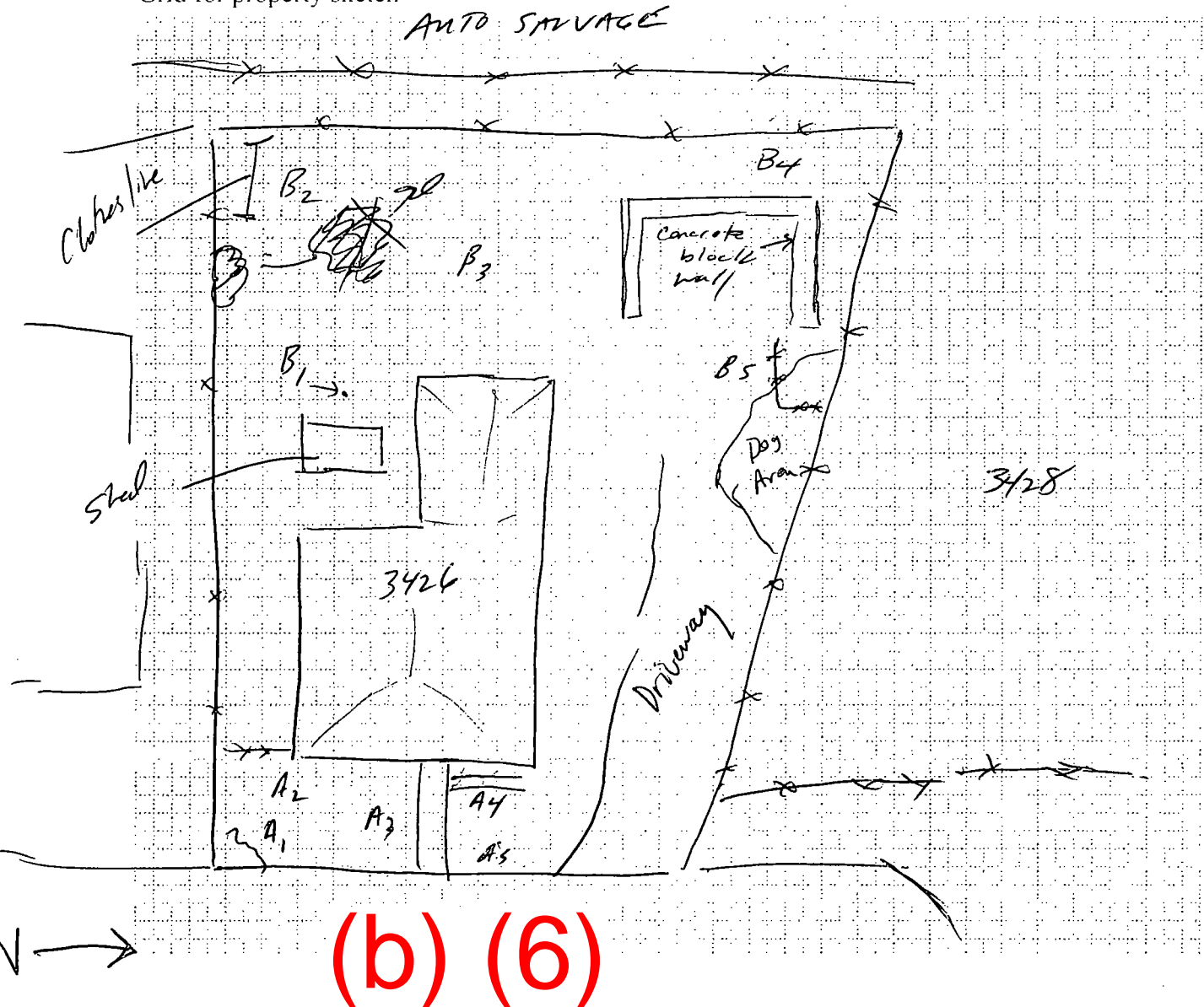
55°F, mostly sunny, wind NWE @ 12 MPH

PROPERTY COMMENTS:

Resident @ home. Split samples w/

N. Norman (GMC)

Grid for property sketch



STATION ID: CV0038A

SAMPLE ID: CV0038A-CS-SP

SAMPLE COLLECTION TIME: 1333

Description of sample location (~~front~~, ~~back~~, side ~~yard~~ vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: CV0038A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18165</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55885048</u>	N Longitude: <u>86.80678605</u>	W	
Media description: <u>brn sdy silt w/ coal fragments</u>			
Aliquot #2: Latitude: <u>33.55884709</u>	N Longitude: <u>86.80681351</u>	W	
Media description: <u>same as above</u>			
Aliquot #3: Latitude: <u>33.55888816</u>	N Longitude: <u>86.80679371</u>	W	
Media description: <u>same as above</u>			
Aliquot #4: Latitude: <u>33.55891573</u>	N Longitude: <u>86.80679799</u>	W	
Media description: <u>same as above</u>			
Aliquot #5: Latitude: <u>33.55890875</u>	N Longitude: <u>86.8067</u>	W	
Media description: <u>same as above</u>			

STATION ID: CV0038B

SAMPLE ID: CV0038B-CS-SP

SAMPLE COLLECTION TIME: 1351

Description of sample location (front ~~back~~, side ~~yard~~ vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: CV0038B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18165</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55886750</u>	N Longitude: <u>86.80707478</u>	W	
Media description: <u>brn silt moist</u>			
Aliquot #2: Latitude: <u>33.55888120</u>	N Longitude: <u>86.80723562</u>	W	
Media description: <u>same as above</u>			
Aliquot #3: Latitude: <u>33.55890449</u>	N Longitude: <u>86.80715250</u>	W	
Media description: <u>same as above</u>			
Aliquot #4: Latitude: <u>33.55898327</u>	N Longitude: <u>86.80719850</u>	W	
Media description: <u>same as above</u>			
Aliquot #5: Latitude: <u>33.55896035</u>	N Longitude: <u>86.80706104</u>	W	
Media description: <u>same as above</u>			

(b) (6)

ADDRESS:

PROPERTY ID:

CV0035

DATE:

2/19/13

ARRIVAL TIME:

1405

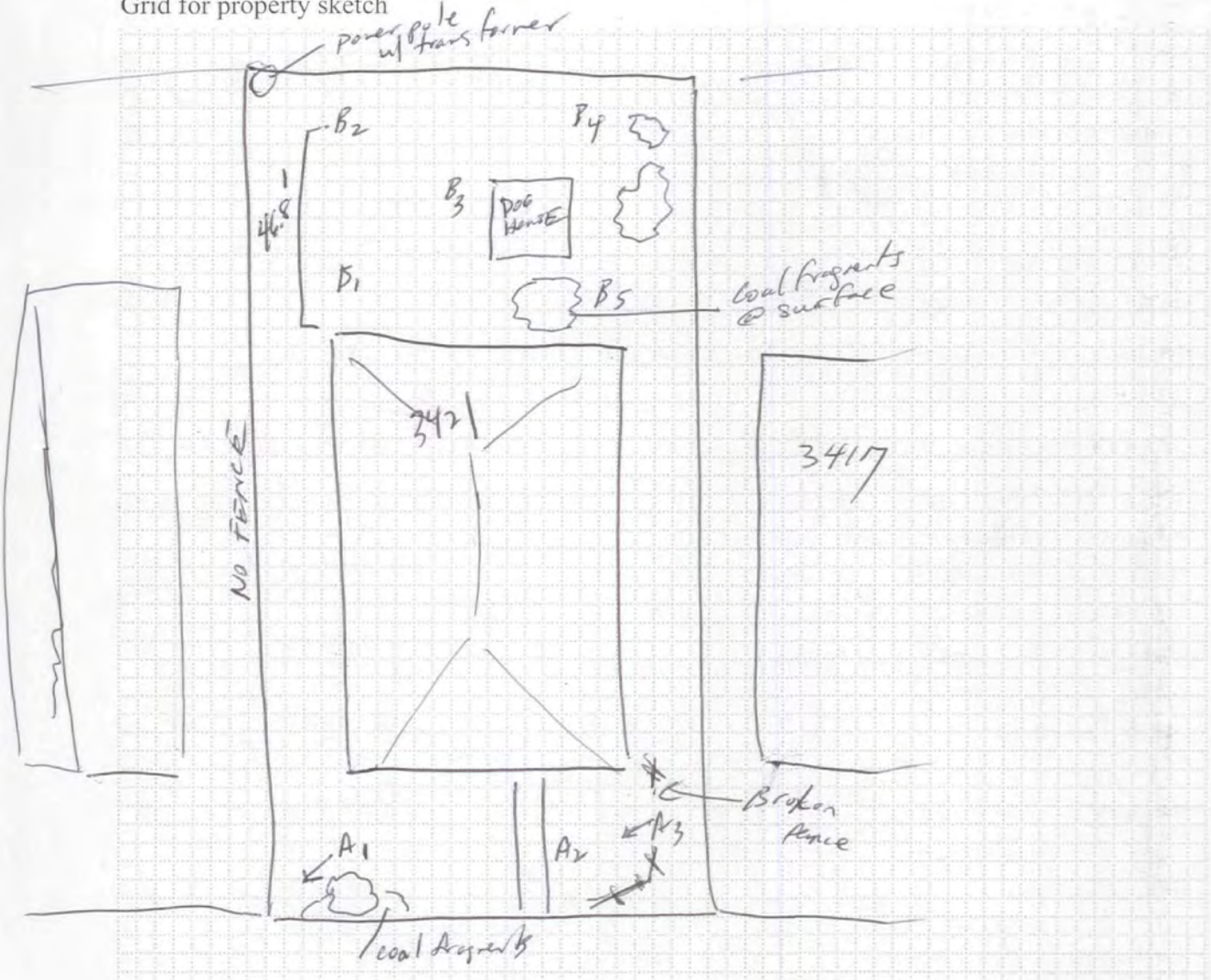
Other pertinent information (weather conditions, etc.):

55°F, sunny, wind NW @ 10-20 mph

PROPERTY COMMENTS:

Resident @ home. Very small front yard - only
3 point composite collected in front.
Split samples w/ GMC

Grid for property sketch



(b) (6)

STATION ID: OV0035A SAMPLE ID: OV0035A-CS-SP

SAMPLE COLLECTION TIME: 1412

Description of sample location (~~front~~, ~~back~~, side ~~yard~~: vegetable garden; play set; ditch, etc):

Collection: Composite or Grab 3 POINT MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18165</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1: Latitude: <u>33.55880091</u>	N Longitude: <u>86.80662592</u>		W
Media description: <u>brown sandy silt with coal fragments > damp</u>			
Aliquot #2: Latitude: <u>33.55875283</u>	N Longitude: <u>86.80662108</u>		W
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.55872125</u>	N Longitude: <u>86.80662320</u>		W
Media description: <u>same as #1</u>			
Aliquot #4: Latitude: _____	N Longitude: _____		W
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude: _____		W
Media description: _____			

STATION ID: OV0035B SAMPLE ID: OV0035B-CS-SP

SAMPLE COLLECTION TIME: 1427

Description of sample location (~~front~~, ~~back~~, side ~~yard~~: vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: OV0035B

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18165</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1: Latitude: <u>33.55877634</u>	N Longitude: <u>86.80640331</u>		W
Media description: <u>dark brown sandy silt w. coal chips > damp</u>			
Aliquot #2: Latitude: <u>33.55876878</u>	N Longitude: <u>86.80630080</u>		W
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.55875251</u>	N Longitude: <u>86.80634042</u>		W
Media description: <u>same as #1</u>			
Aliquot #4: Latitude: <u>33.55871894</u>	N Longitude: <u>86.80631095</u>		W
Media description: <u>same as #1</u>			
Aliquot #5: Latitude: <u>33.55872921</u>	N Longitude: <u>86.80639603</u>		W
Media description: <u>same as #1</u>			

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0152

DATE: 2/19/13 ARRIVAL TIME: 1520

Other pertinent information (weather conditions, etc.):

55°F, Sunny, wind N @ 10 mph

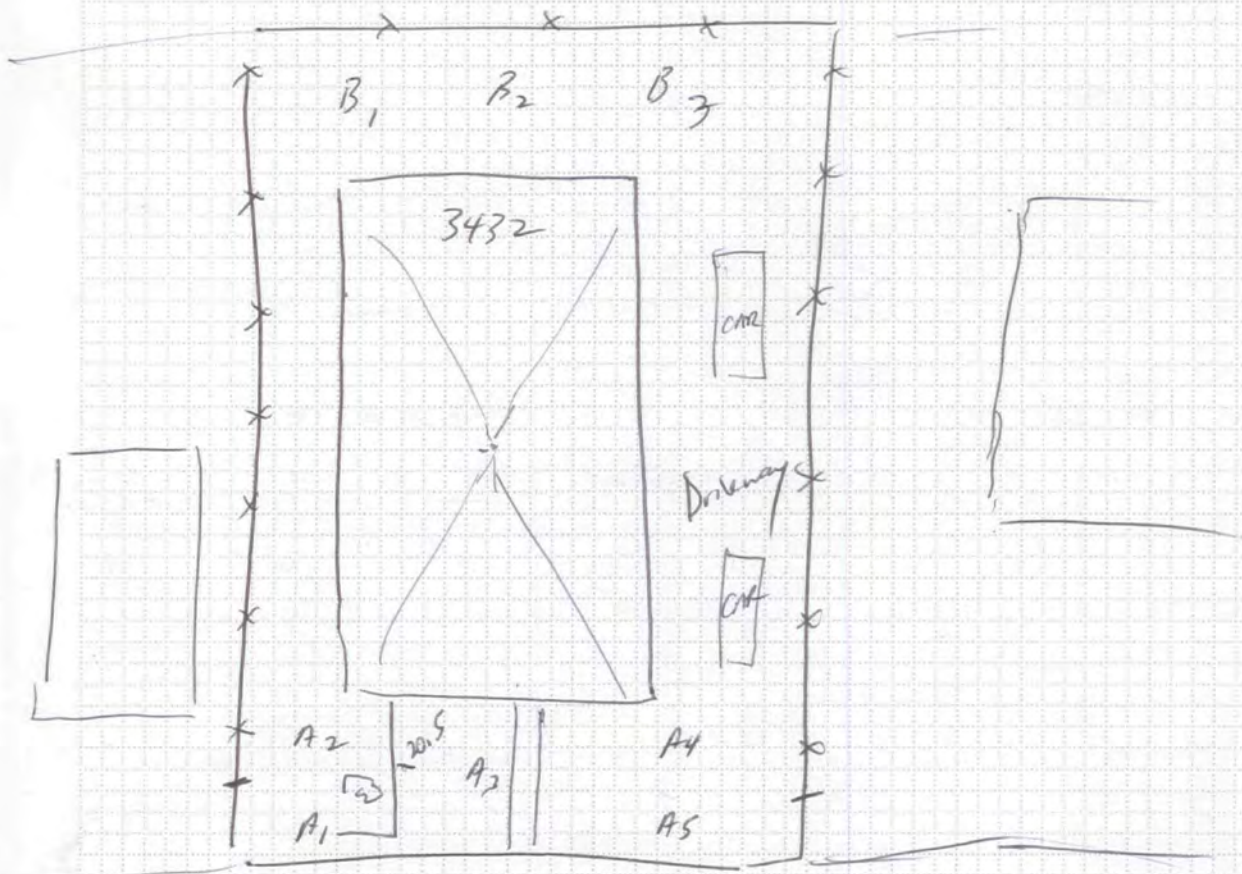
PROPERTY COMMENTS:

No resident @ home.

Split samples w/ GMC.

Grid for property sketch

→ N



(b) (6)

STATION ID: CV0152A SAMPLE ID: CV0152A-CS-SP

SAMPLE COLLECTION TIME: 1538

Description of sample location (~~front~~, back, side ~~yard~~, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split Yes or No If yes, indicate Duplicate split sample station ID: CV0152A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>R165</u> Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55923335</u> N Longitude: <u>86.80587842</u> W	Media description: <u>brn silty clay to clayey silt</u>
Aliquot #2: Latitude: <u>33.55923847</u> N Longitude: <u>86.80591904</u> W	Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.55927892</u> N Longitude: <u>86.80589511</u> W	Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.55933113</u> N Longitude: <u>86.80590625</u> W	Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.55931839</u> N Longitude: <u>86.80587890</u> W	Media description: <u>same as above</u>

STATION ID: CV0152B SAMPLE ID: CV0152B-CS-SP

SAMPLE COLLECTION TIME: 1552

Description of sample location (front ~~back~~, side ~~yard~~, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split Yes or No If yes, indicate Duplicate split sample station ID: CV0152B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>R165</u> Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55924494</u> N Longitude: <u>86.8060372</u> W	Media description: <u>dk brn silty clay wet</u>
Aliquot #2: Latitude: <u>33.55929602</u> N Longitude: <u>86.80609033</u> W	Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.55934184</u> N Longitude: <u>86.80608855</u> W	Media description: <u>same as above</u>
Aliquot #4: Latitude: _____ N Longitude: _____ W	Media description: <u>see</u>
Aliquot #5: Latitude: _____ N Longitude: _____ W	Media description: _____

ADDRESS: (b) (6)

PROPERTY ID: CV0320

DATE: 2/20/13

ARRIVAL TIME: 0826

Other pertinent information (weather conditions, etc.):

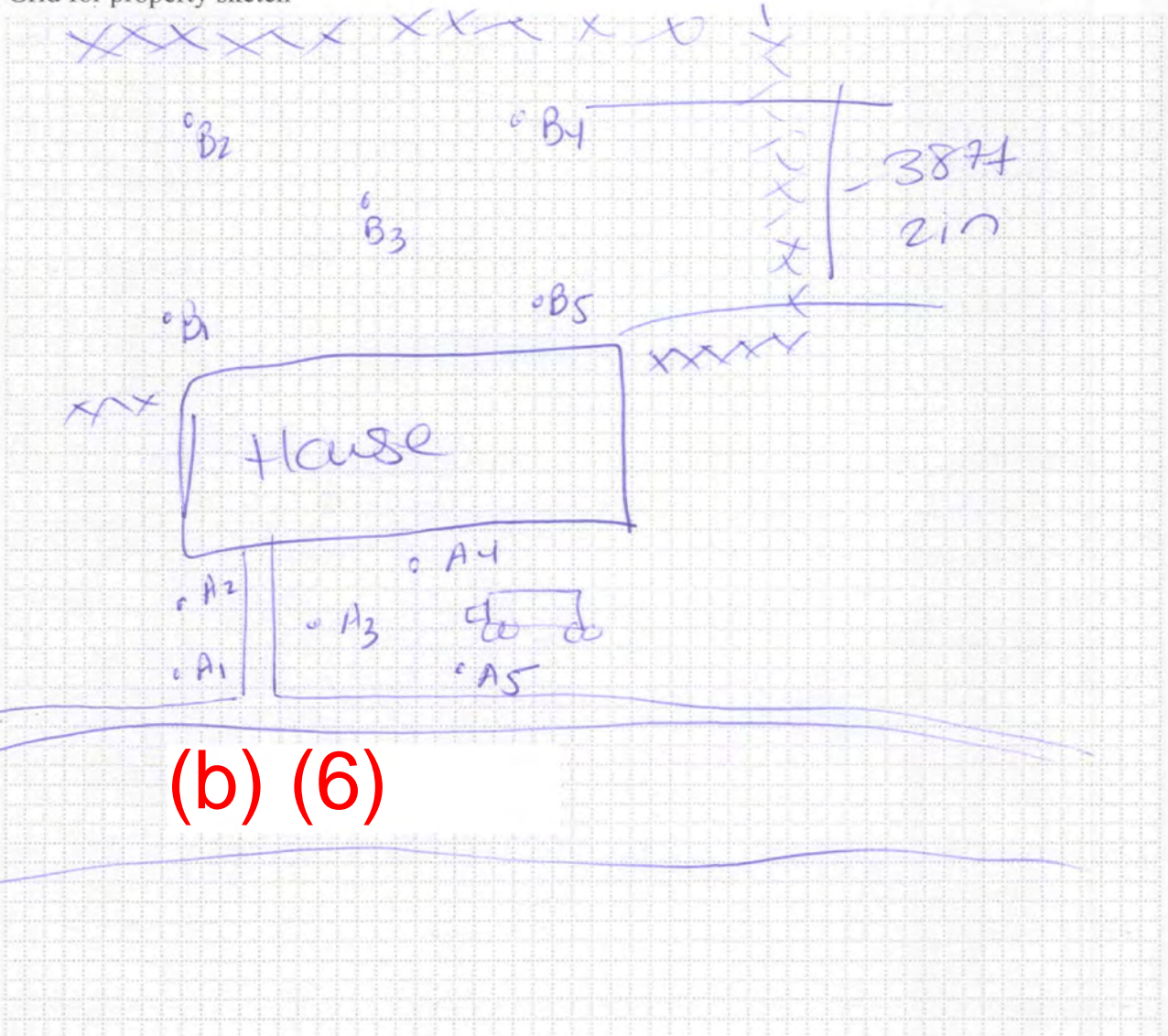
36°F, Fair

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team (Gmc)

Grid for property sketch



(b) (6)

STATION ID: CV0320A SAMPLE ID: CV0320A-CS-SP

SAMPLE COLLECTION TIME: 0840

Description of sample location (front, back, side; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0320A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? [<input checked="" type="checkbox"/>] or N	
Aliquot #1: Latitude: <u>33.55624421</u> N Longitude: <u>86.80799169</u> W	Media description: <u>Brun clay silt</u>
Aliquot #2: Latitude: <u>33.55619553</u> N Longitude: <u>86.80798971</u> W	Media description: <u>Brun clay silt w/ coal</u>
Aliquot #3: Latitude: <u>33.55622043</u> N Longitude: <u>86.80802466</u> W	Media description: <u>Brun clay silt</u>
Aliquot #4: Latitude: <u>33.55618788</u> N Longitude: <u>86.80810345</u> W	Media description: <u>Brun clay silt</u>
Aliquot #5: Latitude: <u>33.55625634</u> N Longitude: <u>86.80808557</u> W	Media description: <u>Brun clay silt</u>

STATION ID: CV0320B SAMPLE ID: CV0320B-CS-SP

SAMPLE COLLECTION TIME: 0847

Description of sample location (front, back, side; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0320B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? [<input checked="" type="checkbox"/>] or N	
Aliquot #1: Latitude: <u>33.55605816</u> N Longitude: <u>86.80802530</u> W	Media description: <u>Brun silty clay</u>
Aliquot #2: Latitude: <u>33.55598119</u> N Longitude: <u>86.80803365</u> W	Media description: <u>Brun silty clay</u>
Aliquot #3: Latitude: <u>33.55601677</u> N Longitude: <u>86.80805544</u> W	Media description: <u>Brun silty clay</u>
Aliquot #4: Latitude: <u>33.55598990</u> N Longitude: <u>86.80811477</u> W	Media description: <u>Brun silty clay</u>
Aliquot #5: Latitude: <u>33.55606636</u> N Longitude: <u>86.80810333</u> W	Media description: <u>Rust silty clay</u>

ADDRESS: (b) (6)

PROPERTY ID: CV0258

DATE: 2/20/13

ARRIVAL TIME: 0909

Other pertinent information (weather conditions, etc.):

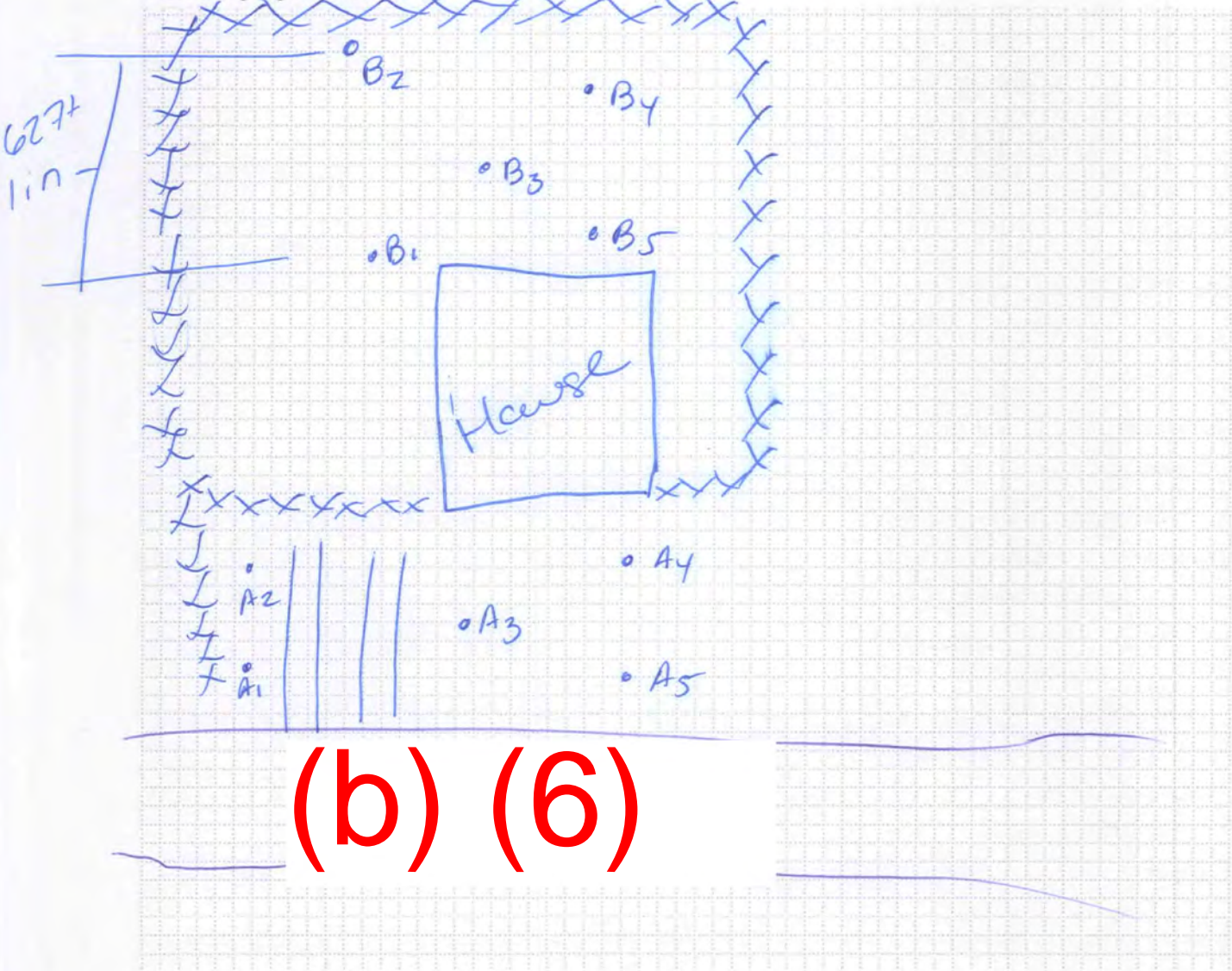
38°F, Fair

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team (GMC)

Grid for property sketch



STATION ID: CV0258A SAMPLE ID: CV0258A-CS-SP

SAMPLE COLLECTION TIME: 0918

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0258A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55641485</u> N Longitude <u>86.80287004</u> W Media description: <u>Brun silty clay</u>
Aliquot #2: Latitude: <u>33.55641534</u> N Longitude <u>86.80292599</u> W Media description: <u>Brun silty clay</u>
Aliquot #3: Latitude: <u>33.55645037</u> N Longitude <u>86.80288043</u> W Media description: <u>Brun silty clay</u>
Aliquot #4: Latitude: <u>33.55651479</u> N Longitude <u>86.80288513</u> W Media description: <u>DK brown silt</u>
Aliquot #5: Latitude: <u>33.55651272</u> N Longitude <u>86.80286497</u> W Media description: <u>DK brown silt</u>

STATION ID: CV0258B SAMPLE ID: CV0258B-CS-SP

SAMPLE COLLECTION TIME: 0925

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0258B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55647560</u> N Longitude <u>86.80312474</u> W Media description: <u>DK brun silty clay</u>
Aliquot #2: Latitude: <u>33.55647713</u> N Longitude <u>86.80327893</u> W Media description: <u>DK brun silty clay</u>
Aliquot #3: Latitude: <u>33.55650457</u> N Longitude <u>86.80317346</u> W Media description: <u>DK brun silty clay</u>
Aliquot #4: Latitude: <u>33.55652767</u> N Longitude <u>86.80325707</u> W Media description: <u>Brun silt</u>
Aliquot #5: Latitude: <u>33.55653253</u> N Longitude <u>86.80311626</u> W Media description: <u>Brun silt</u>

(b) (6)

ADDRESS:

PROPERTY ID:

0V0769

DATE:

2/20/13

ARRIVAL TIME:

1004

Other pertinent information (weather conditions, etc.):

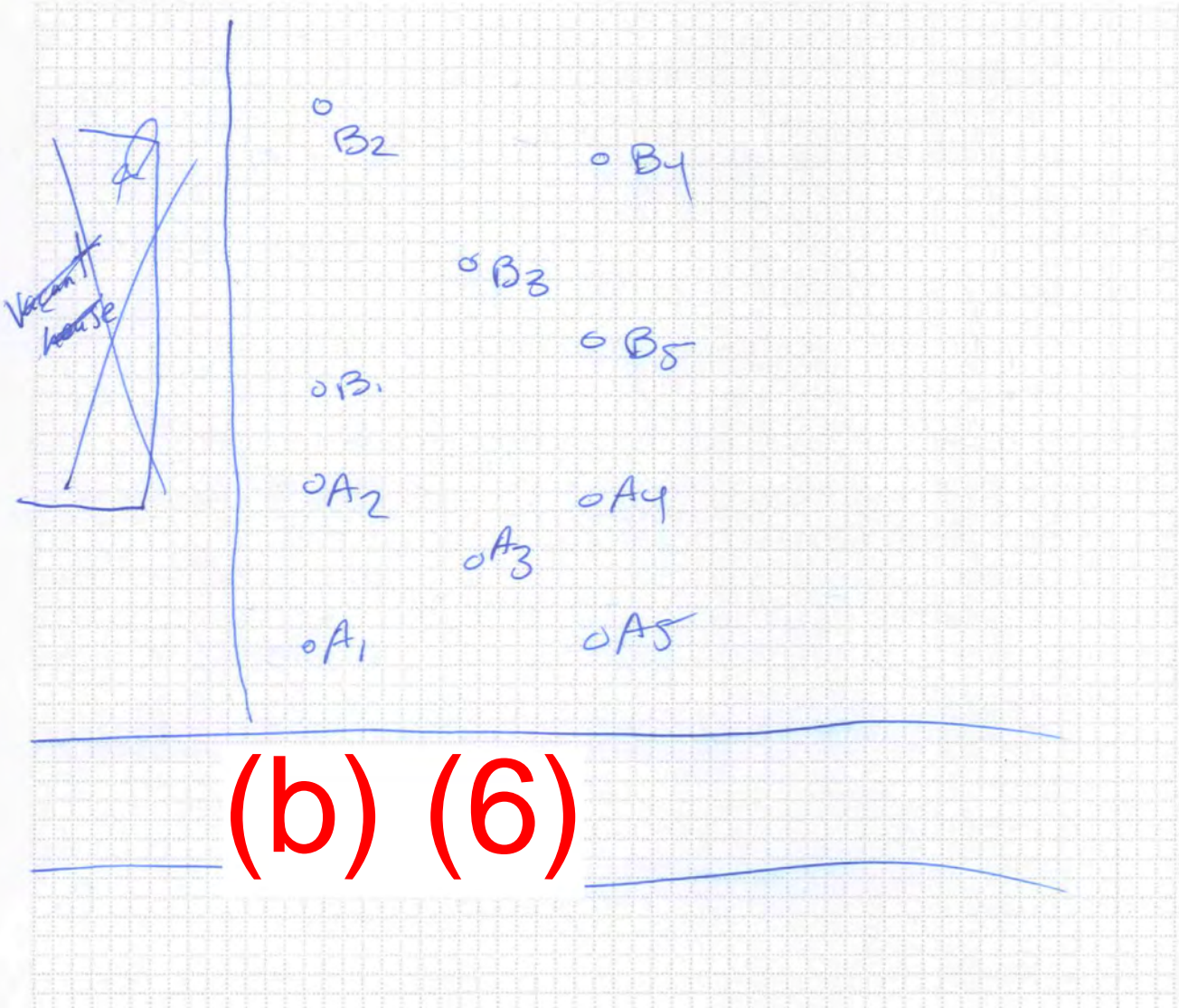
38°F, Fair, windy

PROPERTY COMMENTS:

Vacant lot

w/ (b) (6) legal team (GMC)

Grid for property sketch



STATION ID: CV0769A SAMPLE ID: CV0769A-CS-SH

SAMPLE COLLECTION TIME: 1015

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0769A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33.55323707</u> N Longitude <u>86.80346978</u> W Media description: <u>orange/tan sandy clay w/ small coal fragments</u>
Aliquot #2: Latitude: <u>33.55314130</u> N Longitude <u>86.80346704</u> W Media description: <u>DK brown to blk silt w/ gravel & coal fragments</u>
Aliquot #3: Latitude: <u>33.55318638</u> N Longitude <u>86.80349151</u> W Media description: <u>orange/tan sandy clay w/ small coal fragments</u>
Aliquot #4: Latitude: <u>33.55313536</u> N Longitude <u>86.80352871</u> W Media description: <u>Brown silty clay w/ coal fragments</u>
Aliquot #5: Latitude: <u>33.55323384</u> N Longitude <u>86.80352054</u> W Media description: <u>tan clay w/ coal fragments</u>

STATION ID: CV0769B SAMPLE ID: CV0769B-CS-SH

SAMPLE COLLECTION TIME: 1022

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0769B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33.55309579</u> N Longitude <u>86.80346338</u> W Media description: <u>DK brown clay silt w/ some coal</u>
Aliquot #2: Latitude: <u>33.55301191</u> N Longitude <u>86.80346405</u> W Media description: <u>DK brown clay silt w/ some coal</u>
Aliquot #3: Latitude: <u>33.55306041</u> N Longitude <u>86.80350014</u> W Media description: <u>DK brown clay silt w/ some coal</u>
Aliquot #4: Latitude: <u>33.55299982</u> N Longitude <u>86.80352682</u> W Media description: <u>orange/tan sandy clay</u>
Aliquot #5: Latitude: <u>33.55309079</u> N Longitude <u>86.80352836</u> W Media description: <u>orange/tan sandy clay</u>

(b) (6)

ADDRESS:

PROPERTY ID:

CV086A
SI
R

DATE:

2/20/13

ARRIVAL TIME:

1035

Other pertinent information (weather conditions, etc.):

38°F, Fair

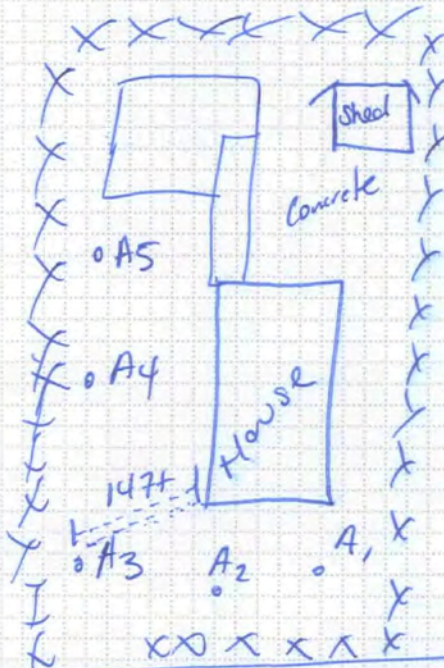
PROPERTY COMMENTS:

Resident + Home

w/ Ralph legal team (Gmc)

* Could not sample back yard due
to there was no where to ^{take} samples

Grid for property sketch



(b) (6)

STATION ID: 51 CVO851A SAMPLE ID: CVO851A-CS-SP

SAMPLE COLLECTION TIME: 1050

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: CVO851A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <u>(Y)</u> or N
Aliquot #1: Latitude: <u>33.55306349</u> N Longitude <u>86.79993323</u> W Media description: <u>DK brwn clay silt</u>
Aliquot #2: Latitude: <u>33.55303012</u> N Longitude <u>86.79993616</u> W Media description: <u>DK brwn clay silt</u>
Aliquot #3: Latitude: <u>33.55296296</u> N Longitude <u>86.79994625</u> W Media description: <u>Brwn silty clay</u>
Aliquot #4: Latitude: <u>33.55296354</u> N Longitude <u>86.80000986</u> W Media description: <u>Brwn silt w/ tan sand & gravel</u>
Aliquot #5: Latitude: <u>33.55296624</u> N Longitude <u>86.80009693</u> W Media description: <u>DK brwn silt w/ coal fragments</u>

~~STATION ID: 51 CVO851B SAMPLE ID: CVO851B-CS-SP~~

~~SAMPLE COLLECTION TIME: _____~~

~~Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):~~

~~Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: CVO851B~~

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <u>(Y)</u> or N
Aliquot #1: Latitude: _____ N Longitude _____ W Media description: _____
Aliquot #2: Latitude: _____ N Longitude _____ W Media description: _____
Aliquot #3: Latitude: _____ N Longitude _____ W Media description: _____
Aliquot #4: Latitude: _____ N Longitude _____ W Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W Media description: _____

(b) (6)

ADDRESS:

PROPERTY ID:

CV0861

DATE:

2/20/13

ARRIVAL TIME:

1250

Other pertinent information (weather conditions, etc.):

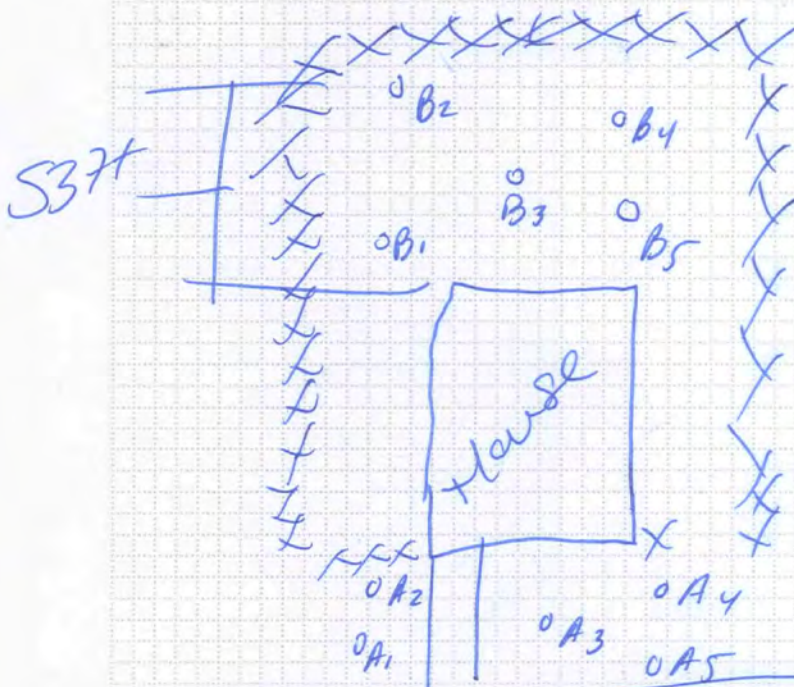
40°F, Fair

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team. (Gmc)

Grid for property sketch



(b) (6)

STATION ID: CV0561A SAMPLE ID: CV0561A-CS-SP

SAMPLE COLLECTION TIME: 1259

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0561A

GPS Coordinates: Trimble [<u>4</u>] Instrument #: <u>018165</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55721485</u> N Longitude <u>86.79846945</u> W Media description: <u>reddish brown silty clay</u>
Aliquot #2: Latitude: <u>33.55721164</u> N Longitude <u>86.79849971</u> W Media description: <u>reddish brown silty clay</u>
Aliquot #3: Latitude: <u>33.55725089</u> N Longitude <u>86.79847822</u> W Media description: <u>DK brown clay silt</u>
Aliquot #4: Latitude: <u>33.55727028</u> N Longitude <u>86.79850273</u> W Media description: <u>DK brown clay silt</u>
Aliquot #5: Latitude: <u>33.55727876</u> N Longitude <u>86.79844786</u> W Media description: <u>DK brown clay silt w/ gravel</u>

STATION ID: CV0561B SAMPLE ID: CV0561B-CS-SP

SAMPLE COLLECTION TIME: 1305

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0561B

GPS Coordinates: Trimble [<u>4</u>] Instrument #: <u>018165</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55724535</u> N Longitude <u>86.79875385</u> W Media description: <u>DK brown black silt wet</u>
Aliquot #2: Latitude: <u>33.55722028</u> N Longitude <u>86.</u> W Media description: <u>DK brown black silt wet</u>
Aliquot #3: Latitude: <u>33.55728309</u> N Longitude <u>86.79880909</u> W Media description: <u>DK brown black silt wet</u>
Aliquot #4: Latitude: <u>33.55729036</u> N Longitude <u>86.79885331</u> W Media description: <u>Brown silty clay moist</u>
Aliquot #5: Latitude: <u>33.55732569</u> N Longitude <u>86.79874545</u> W Media description: <u>Brown silty clay moist</u>

(b) (6)

ADDRESS:

PROPERTY ID:

CV0835

DATE:

2/20/13

ARRIVAL TIME:

1343

Other pertinent information (weather conditions, etc.):

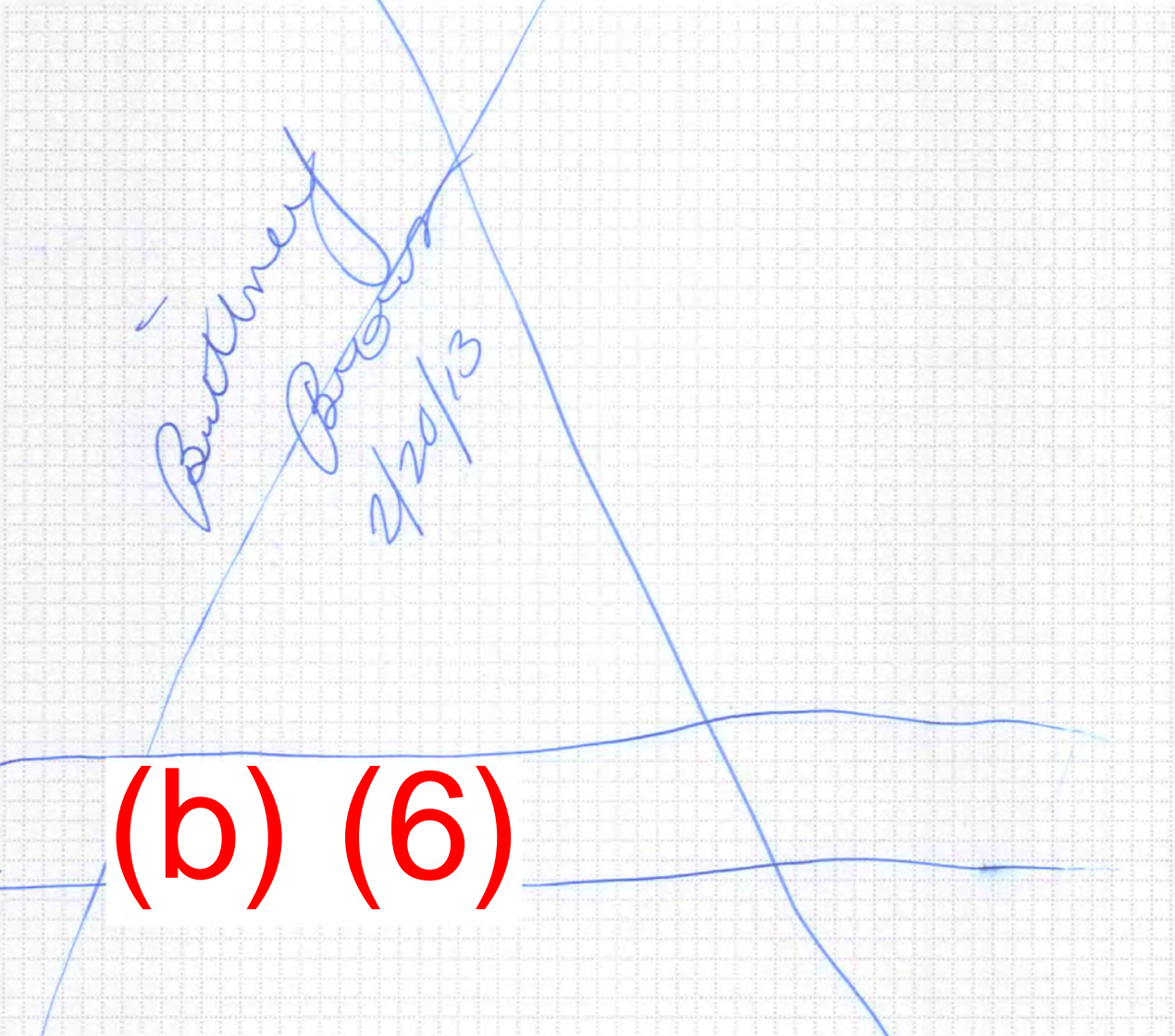
40°F, Fair

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



(b) (6)

STATION ID: CV0835A SAMPLE ID: CV0835A-CS-SP

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0835A

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: _____	N Longitude _____	W _____
Media description: _____		
Aliquot #2 Latitude: _____	N Longitude _____	W _____
Media description: _____		
Aliquot #3: Latitude: _____	N Longitude _____	W _____
Media description: _____		
Aliquot #4: Latitude: _____	N Longitude _____	W _____
Media description: _____		
Aliquot #5: Latitude: _____	N Longitude _____	W _____
Media description: _____		

Butcher 2/20/13

STATION ID: CV0835B SAMPLE ID: CV0835B-CS-SP

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0835B

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: _____	N Longitude _____	W _____
Media description: _____		
Aliquot #2 Latitude: _____	N Longitude _____	W _____
Media description: _____		
Aliquot #3: Latitude: _____	N Longitude _____	W _____
Media description: _____		
Aliquot #4: Latitude: _____	N Longitude _____	W _____
Media description: _____		
Aliquot #5: Latitude: _____	N Longitude _____	W _____
Media description: _____		

ADDRESS: **(b) (6)** PROPERTY ID: 010864

DATE: 2/20/13 ARRIVAL TIME: 1352

Other pertinent information (weather conditions, etc.):

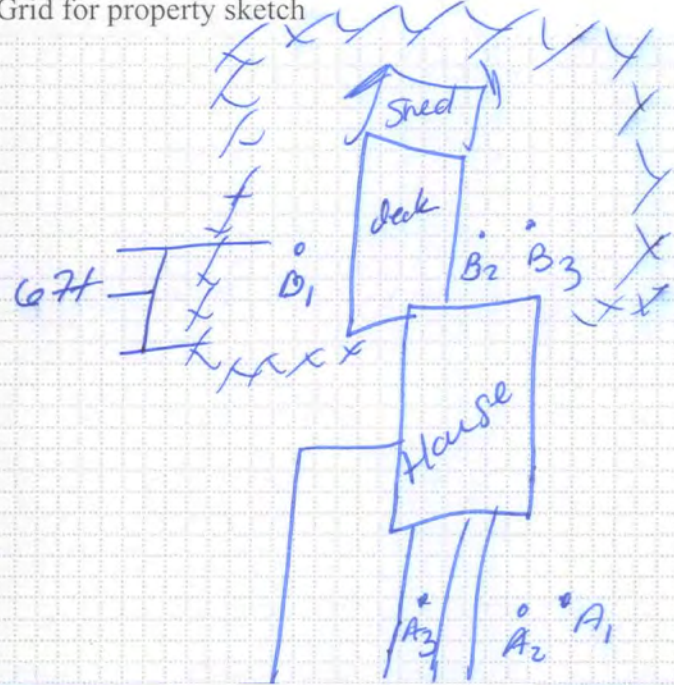
40°F, Fair

PROPERTY COMMENTS:

Resident Home

w/ **(b) (6)** legal team (6mc)

Grid for property sketch



(b) (6)

STATION ID: CV0864A SAMPLE ID: CV0864A-CS-SP

SAMPLE COLLECTION TIME: 1402

Description of sample location (front), back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0864A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.55368527</u> N Longitude <u>86.79980046</u> W	Media description: <u>DK brun silty clay w/ minor coal</u>
Aliquot #2 Latitude: <u>33.55370826</u> N Longitude <u>86.79979757</u> W	Media description: <u>DK brun silty clay w/ minor coal</u>
Aliquot #3: Latitude: <u>33.55373869</u> N Longitude <u>86.79980030</u> W	Media description: <u>DK brun silty clay w/ minor coal</u>
Aliquot #4: Latitude: _____ N Longitude _____ W	Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W	Media description: _____

STATION ID: CV0864B SAMPLE ID: CV0864B-CS-SP

SAMPLE COLLECTION TIME: 1409

Description of sample location (front), back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0864B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.55374853</u> N Longitude <u>86.79958082</u> W	Media description: <u>Brun silty clay w/ coal</u>
Aliquot #2 Latitude: <u>33.55371457</u> N Longitude <u>86.79957357</u> W	Media description: <u>Brun silty clay</u>
Aliquot #3: Latitude: <u>33.55367307</u> N Longitude <u>86.79958520</u> W	Media description: <u>Brun silty clay w/ coal</u>
Aliquot #4: Latitude: _____ N Longitude _____ W	Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W	Media description: _____

ADDRESS: (b) (6) PROPERTY ID: #P0159

DATE: 2/20/13 ARRIVAL TIME: 1455

Other pertinent information (weather conditions, etc.):

40°F, Fair

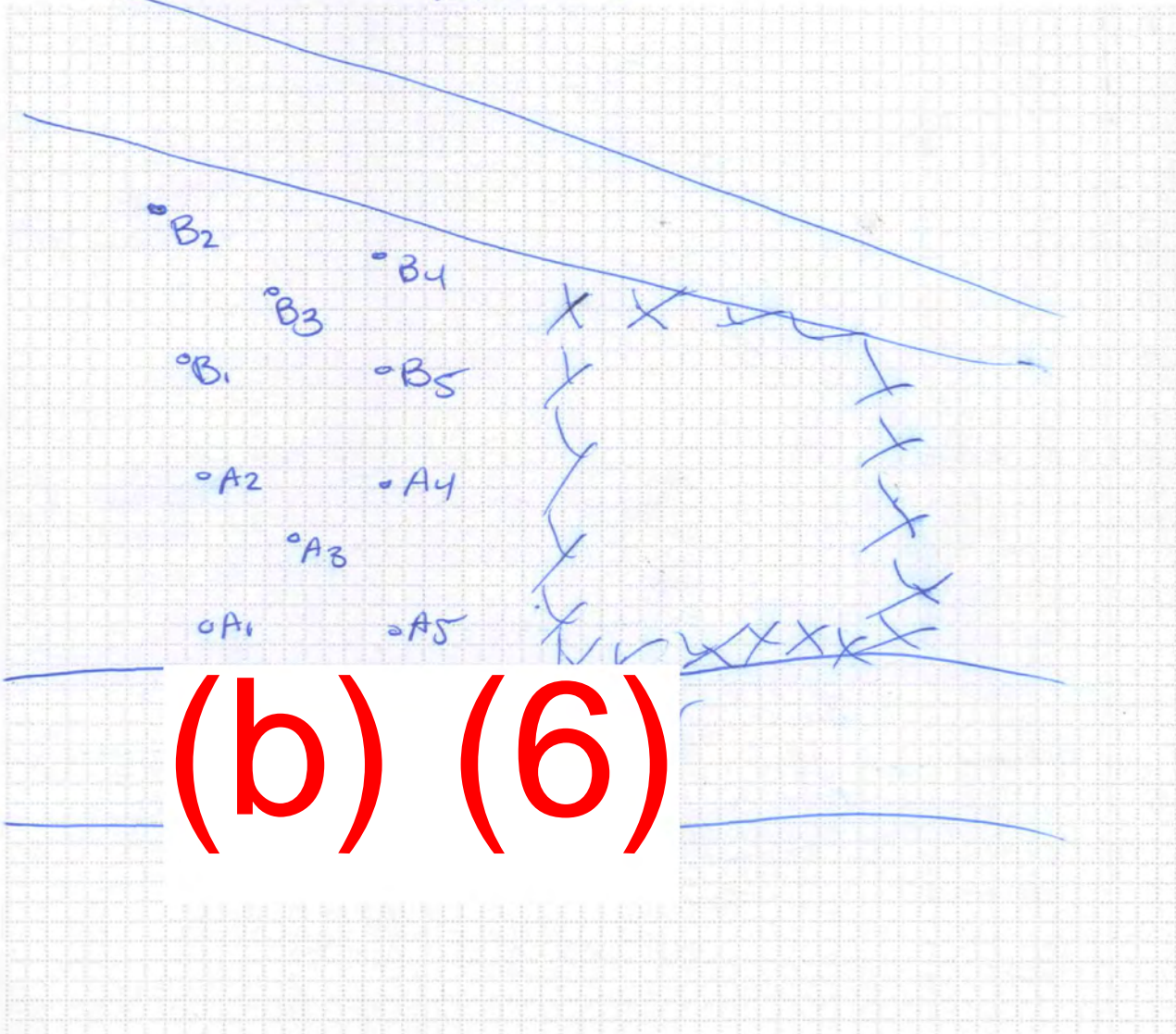
PROPERTY COMMENTS:

vacant lot

w/ (b) (6) legal team (4mc)

Grid for property sketch

Community Parking Lot
(center)



STATION ID: HPO159A SAMPLE ID: HPO159A-CS-SP

SAMPLE COLLECTION TIME: 1806

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO159A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.56595372</u> N Longitude: <u>86.79463335</u> W	Media description: <u>Brun silty clay w/ gravel, brick, & glass</u>
Aliquot #2: Latitude: <u>33.56603871</u> N Longitude: <u>86.79463319</u> W	Media description: <u>Brun silty clay</u>
Aliquot #3: Latitude: <u>33.56600264</u> N Longitude: <u>86.79459691</u> W	Media description: <u>Brun silty clay</u>
Aliquot #4: Latitude: <u>33.56604129</u> N Longitude: <u>86.79455800</u> W	Media description: <u>Brun silty clay</u>
Aliquot #5: Latitude: <u>33.56594862</u> N Longitude: <u>86.79456525</u> W	Media description: <u>Brun silty clay</u>

STATION ID: HPO159B SAMPLE ID: HPO159B-CS-SP

SAMPLE COLLECTION TIME: 1809

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO159B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.56608234</u> N Longitude: <u>86.79463002</u> W	Media description: <u>Brun silty clay</u>
Aliquot #2: Latitude: <u>33.56616666</u> N Longitude: <u>86.79461487</u> W	Media description: <u>Brun silty clay</u>
Aliquot #3: Latitude: <u>33.56611331</u> N Longitude: <u>86.79459654</u> W	Media description: <u>Brun silty clay w/ minor coal</u>
Aliquot #4: Latitude: <u>33.56617697</u> N Longitude: <u>86.79455413</u> W	Media description: <u>Brun/orange clay</u>
Aliquot #5: Latitude: <u>33.56608763</u> N Longitude: <u>86.79455084</u> W	Media description: <u>Brun/orange clay</u>

ADDRESS: (b) (6)

DATE: 2/21/13

PROPERTY ID: CV0074

ARRIVAL TIME: 0835

Other pertinent information (weather conditions, etc.):

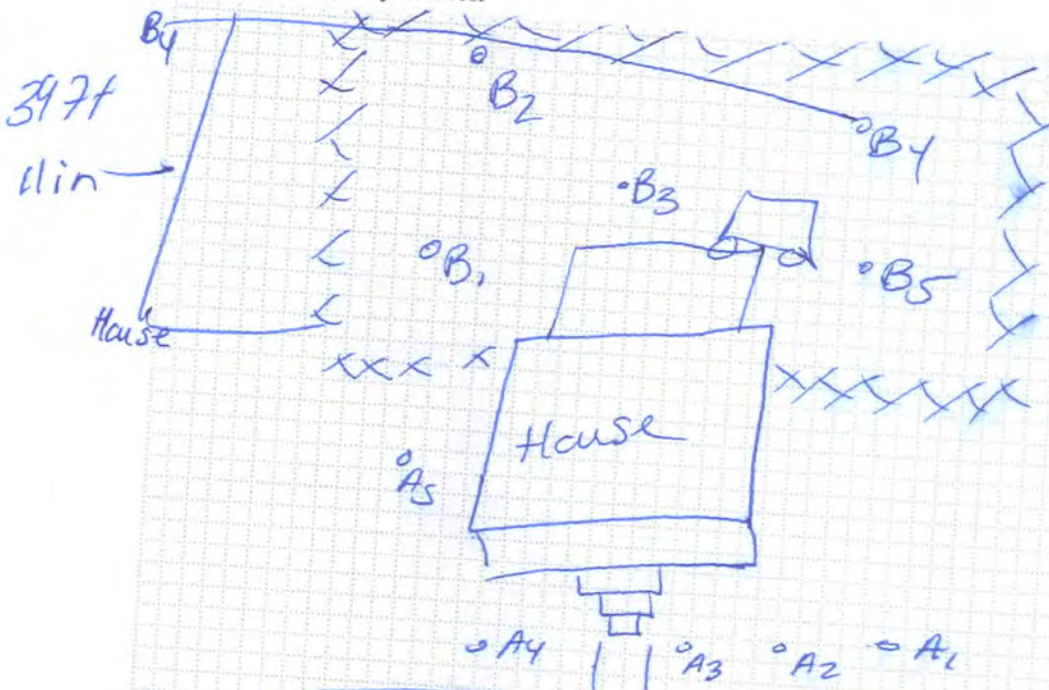
43°F, Sunny

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team (cmc)

Grid for property sketch



(b) (6)

STATION ID: CV0074A SAMPLE ID: CV0074A-CS-SP

SAMPLE COLLECTION TIME: 0849

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0074A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33.55411708</u> N Longitude <u>86.80109192</u> W Media description: <u>DK brwn silt</u>
Aliquot #2: Latitude: <u>33.55411776</u> N Longitude <u>86.80113406</u> W Media description: <u>DK brwn silt</u>
Aliquot #3: Latitude: <u>33.55411724</u> N Longitude <u>86.80118264</u> W Media description: <u>DK brwn silt w/ small gravel & coal fragments</u>
Aliquot #4: Latitude: <u>33.55412019</u> N Longitude <u>86.80122776</u> W Media description: <u>DK brwn silt</u>
Aliquot #5: Latitude: <u>33.55416901</u> N Longitude <u>86.80124952</u> W Media description: <u>DK brwn silt</u>

STATION ID: CV0074B SAMPLE ID: CV0074B-CS-SP

SAMPLE COLLECTION TIME: 0856

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0074B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33.55432409</u> N Longitude <u>86.80122664</u> W Media description: <u>DK brwn silt</u>
Aliquot #2: Latitude: <u>33.55437314</u> N Longitude <u>86.80123423</u> W Media description: <u>DK brwn silt</u>
Aliquot #3: Latitude: <u>33.55435158</u> N Longitude <u>86.80119446</u> W Media description: <u>DK brwn silt w/ some gravel</u>
Aliquot #4: Latitude: <u>33.55438924</u> N Longitude <u>86.80112846</u> W Media description: <u>DK brwn silt</u>
Aliquot #5: Latitude: <u>33.55433735</u> N Longitude <u>86.80112229</u> W Media description: <u>DK brwn silt</u>

(b) (6)

ADDRESS

PROPERTY ID:

FM0133

DATE:

2/21/13

ARRIVAL TIME:

0913

Other pertinent information (weather conditions, etc.):

43°F, Sunny

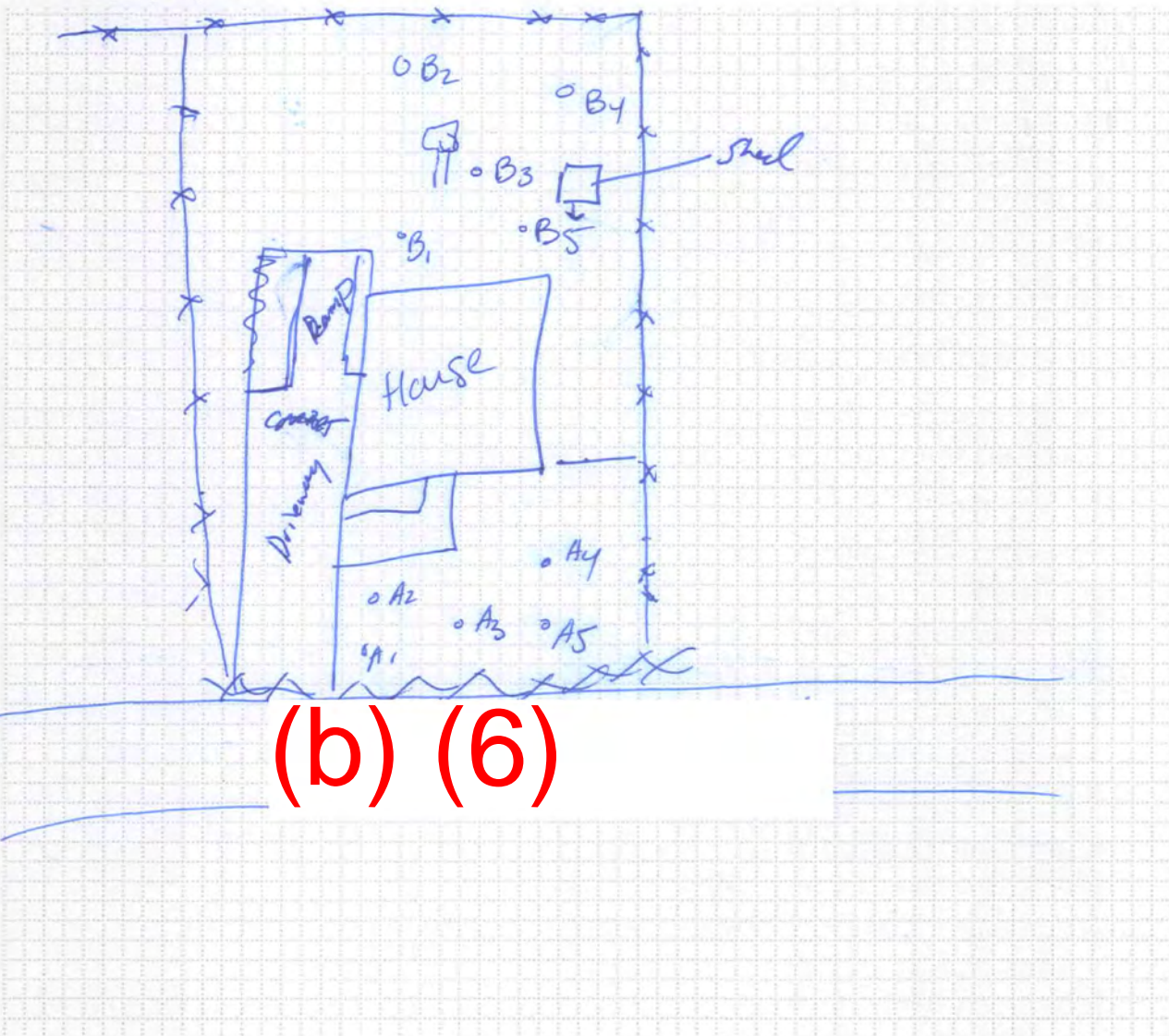
PROPERTY COMMENTS:

Resident Home

w/ (b) (6)

legal team (GMC)

Grid for property sketch



(b) (6)

STATION ID: FM0133A SAMPLE ID: FM0133A-CS-SP

SAMPLE COLLECTION TIME: 0926

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: FM0133A

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>] Instrument #:	<u>018165</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.56629020</u>	N Longitude	<u>86.81006897</u> W
	Media description:	<u>Brun/orange clay</u>		
Aliquot #2:	Latitude:	<u>33.56628681</u>	N Longitude	<u>86.81005843</u> W
	Media description:	<u>DK Drun silty clay</u>		
Aliquot #3:	Latitude:	<u>33.56625410</u>	N Longitude	<u>86.81010908</u> W
	Media description:	<u>DK brun silty clay</u>		
Aliquot #4:	Latitude:	<u>33.56622448</u>	N Longitude	<u>86.81015341</u> W
	Media description:	<u>DK brun silty clay</u>		
Aliquot #5:	Latitude:	<u>33.56625856</u>	N Longitude	<u>86.81017382</u> W
	Media description:	<u>DK brun silty clay</u>		

STATION ID: FM0133B SAMPLE ID: FM0133B-CS-SP

SAMPLE COLLECTION TIME: 0934

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: FM0133B

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>] Instrument #:	<u>018165</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.56610188</u>	N Longitude	<u>86.81000305</u> W
	Media description:	<u>DK brun silt</u>		
Aliquot #2:	Latitude:	<u>33.56598822</u>	N Longitude	<u>86.80994098</u> W
	Media description:	<u>tan/orange clay</u>		
Aliquot #3:	Latitude:	<u>33.56603264</u>	N Longitude	<u>86.80999877</u> W
	Media description:	<u>tan/orange clay</u>		
Aliquot #4:	Latitude:	<u>33.56595294</u>	N Longitude	<u>86.81001217</u> W
	Media description:	<u>tan/orange clay w/ small coal fragments</u>		
Aliquot #5:	Latitude:	<u>33.56608655</u>	N Longitude	<u>86.81007280</u> W
	Media description:	<u>tan/orange clay w/ large coal fragment</u>		

(b) (6)

ADDRESS: _____

PROPERTY ID: _____

FM0032

DATE: _____

2/21/13

ARRIVAL TIME: _____

0951

Other pertinent information (weather conditions, etc.):

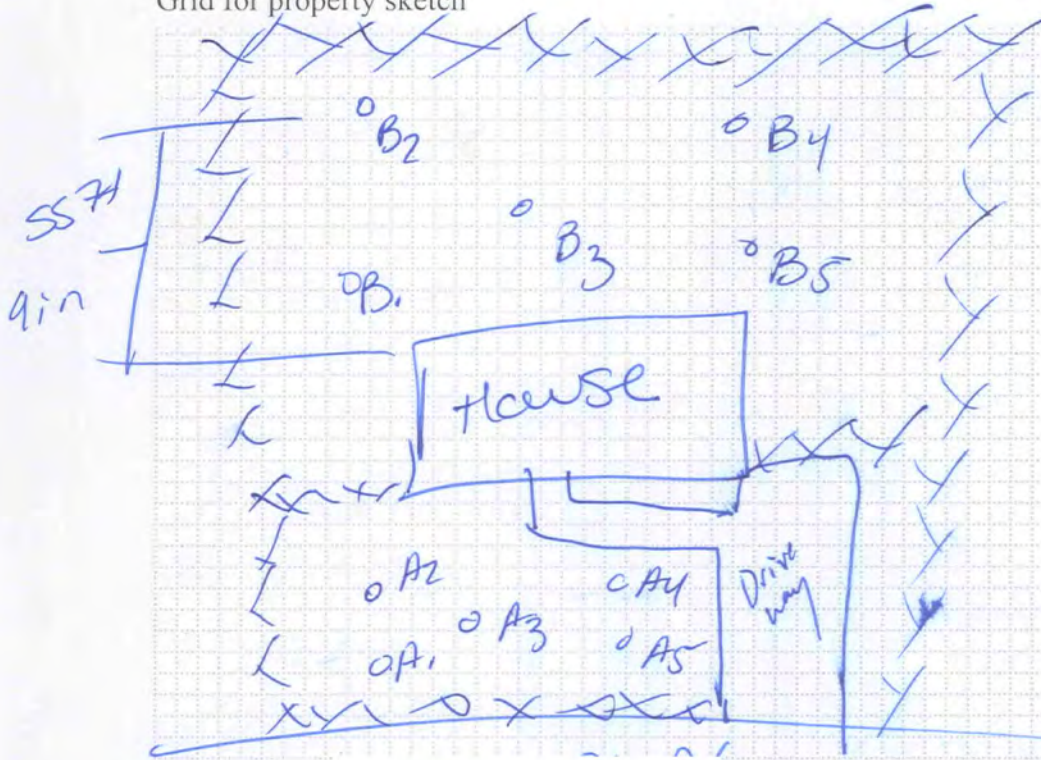
43°F, sunny

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legat team

Grid for property sketch



(b) (6)

STATION ID: Fm0032A SAMPLE ID: Fm0032A-CS-SP

SAMPLE COLLECTION TIME: 1004

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0032A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56712870</u> N Longitude <u>86.81058953</u> W Media description: <u>Brown clay silt</u>
Aliquot #2: Latitude: <u>33.56713927</u> N Longitude <u>86.81064880</u> W Media description: <u>Brown clay silt</u>
Aliquot #3: Latitude: <u>33.56715611</u> N Longitude <u>86.81061693</u> W Media description: <u>Brown clay silt</u>
Aliquot #4: Latitude: <u>33.56718557</u> N Longitude <u>86.81064552</u> W Media description: <u>Brown clay silt</u>
Aliquot #5: Latitude: <u>33.56718188</u> N Longitude <u>86.81058977</u> W Media description: <u>Brown clay silt</u>

STATION ID: Fm0032B SAMPLE ID: Fm0032B-CS-SP

SAMPLE COLLECTION TIME: 1009

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0032B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56710407</u> N Longitude <u>86.81081008</u> W Media description: <u>DK brown clay silt</u>
Aliquot #2: Latitude: <u>33.56711388</u> N Longitude <u>86.81095172</u> W Media description: <u>Brown silty clay</u>
Aliquot #3: Latitude: <u>33.56715642</u> N Longitude <u>86.81088214</u> W Media description: <u>Brown silty clay</u>
Aliquot #4: Latitude: <u>33.56717861</u> N Longitude <u>86.81096215</u> W Media description: <u>DK brown clay silt</u>
Aliquot #5: Latitude: <u>33.56718039</u> N Longitude <u>86.81083820</u> W Media description: <u>Brown silty clay</u>

(b) (6)

ADDRESS:

PROPERTY ID:

Fm0143

DATE:

2/21/13

ARRIVAL TIME:

1058

Other pertinent information (weather conditions, etc.):

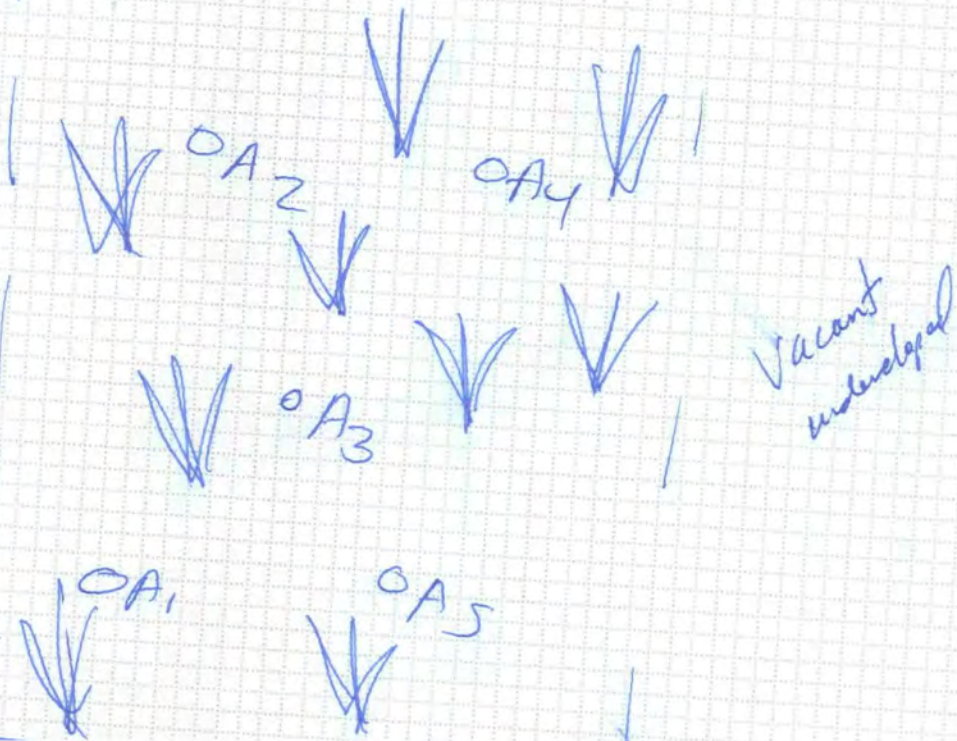
48°F, Sunny

PROPERTY COMMENTS:

Vacant lot

w/ (b) (6) legal team (Gmc)

Grid for property sketch



(b) (6)

STATION ID: Fm0143A SAMPLE ID: Fm0143A-CS-SP

SAMPLE COLLECTION TIME: 1112

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0143A

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.56816957 N Longitude 86.80998790 W
Media description: Brown/orange sandy clay

Aliquot #2: Latitude: 33.56830511 N Longitude 86.80999297 W
Media description: Brown/orange sandy clay

Aliquot #3: Latitude: 33.56823413 N Longitude 86.80996725 W
Media description: Brown/orange sandy clay

Aliquot #4: Latitude: 33.56832198 N Longitude 86.80993475 W
Media description: DK brown silt w/ gravel + coal

Aliquot #5: Latitude: 33.56817894 N Longitude 86.80993700 W
Media description: DK brown silt w/ gravel + coal

~~STATION ID: _____ SAMPLE ID: _____~~

~~SAMPLE COLLECTION TIME: _____~~

~~Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):~~

~~Collection: Composite or Grab MS/MSD? Y or N~~

~~Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: BB~~

~~GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N~~

~~Aliquot #1: Latitude: _____ N Longitude _____ W
Media description: _____~~

~~Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: _____~~

~~Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: _____~~

~~Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: _____~~

~~Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____~~

(b) (6)

ADDRESS: _____

PROPERTY ID: FM0101

DATE: 2/21/13

ARRIVAL TIME: 1124

Other pertinent information (weather conditions, etc.):

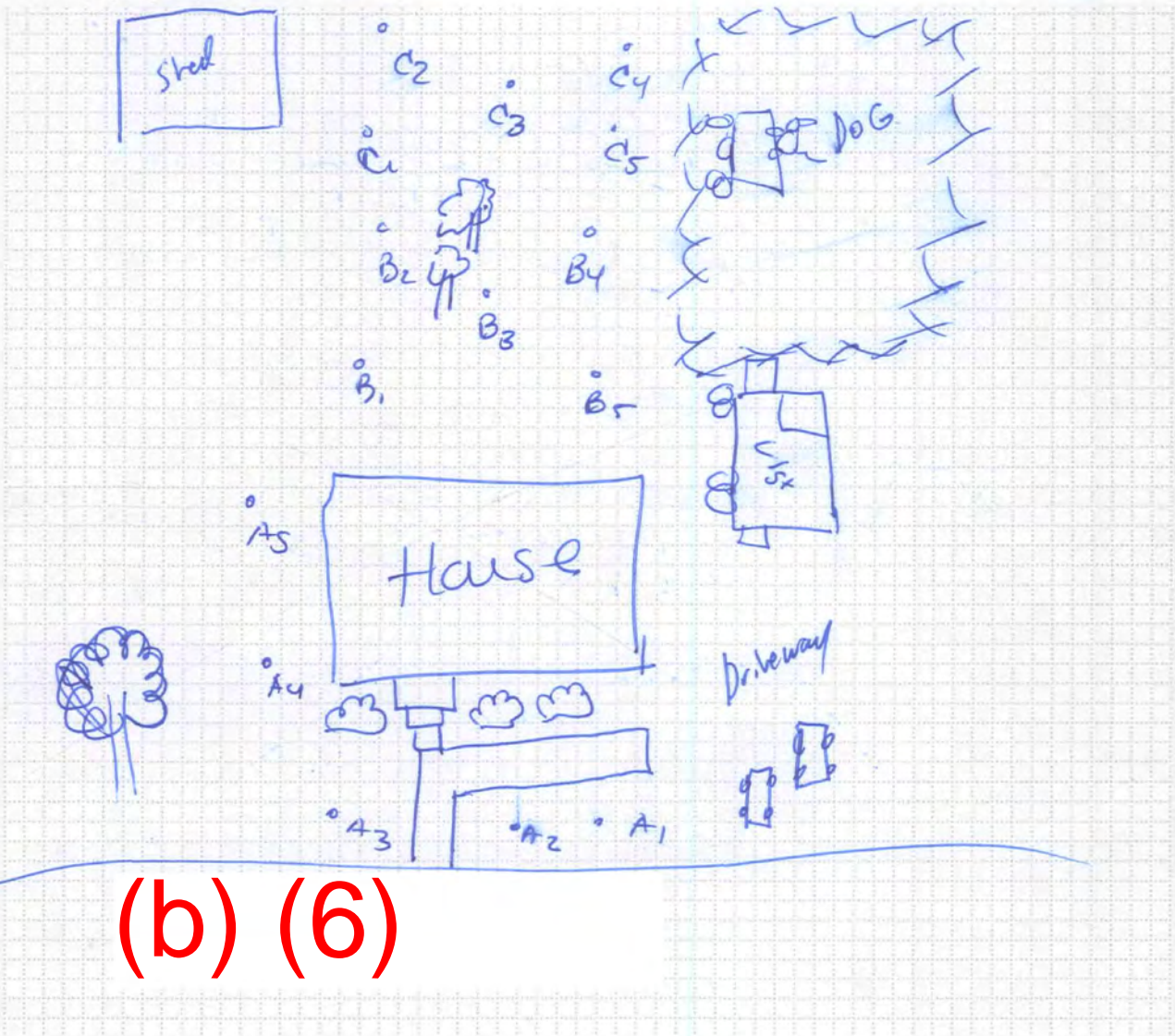
48°F, Sunny

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team (6mc)

Grid for property sketch



(b) (6)

STATION ID: Fm0101A SAMPLE ID: Fm0101A-CS-S

SAMPLE COLLECTION TIME: 1150

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front & side yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0101A

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.56918308 N Longitude 86.80397337 W

Media description: ~~tan/orange clay~~ Brown silty w/gravel

Aliquot #2 Latitude: 33.56923090 N Longitude 86.80396751 W

Media description: ~~tan/orange clay~~ DK brown silty clay

Aliquot #3: Latitude: 33.56928578 N Longitude 86.80395409 W

Media description: Brown silty clay tan/orange clay silt

Aliquot #4: Latitude: 33.56931329 N Longitude 86.80388171 W

Media description: ~~tan/orange clay~~ DK brown silty clay

Aliquot #5: Latitude: 33.56931364 N Longitude 86.80381320 W

Media description: ~~thin layer of blk silt & gravel followed by tan/orange clay & coal DK brown silty w/gravel & coal~~

STATION ID: Fm0101B SAMPLE ID: Fm0101B-CS-S

SAMPLE COLLECTION TIME: 1146

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0101B

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.56930325 N Longitude 86.80375150 W

Media description: Brown silty clay

Aliquot #2 Latitude: 33.56929975 N Longitude 86.80359731 W

Media description: tan/orange clay

Aliquot #3: Latitude: 33.56925257 N Longitude 86.80370007 W

Media description: Brown silty clay

Aliquot #4: Latitude: 33.56922213 N Longitude 86.80361040 W

Media description: DK brown silty clay

Aliquot #5: Latitude: 33.56920853 N Longitude 86.80373805 W

Media description: Brown silty clay w/ small coal fragments

ADDRESS: (b) (6) PROPERTY ID: _____

DATE: 2/21/13 ARRIVAL TIME: 1124

Other pertinent information (weather conditions, etc.):

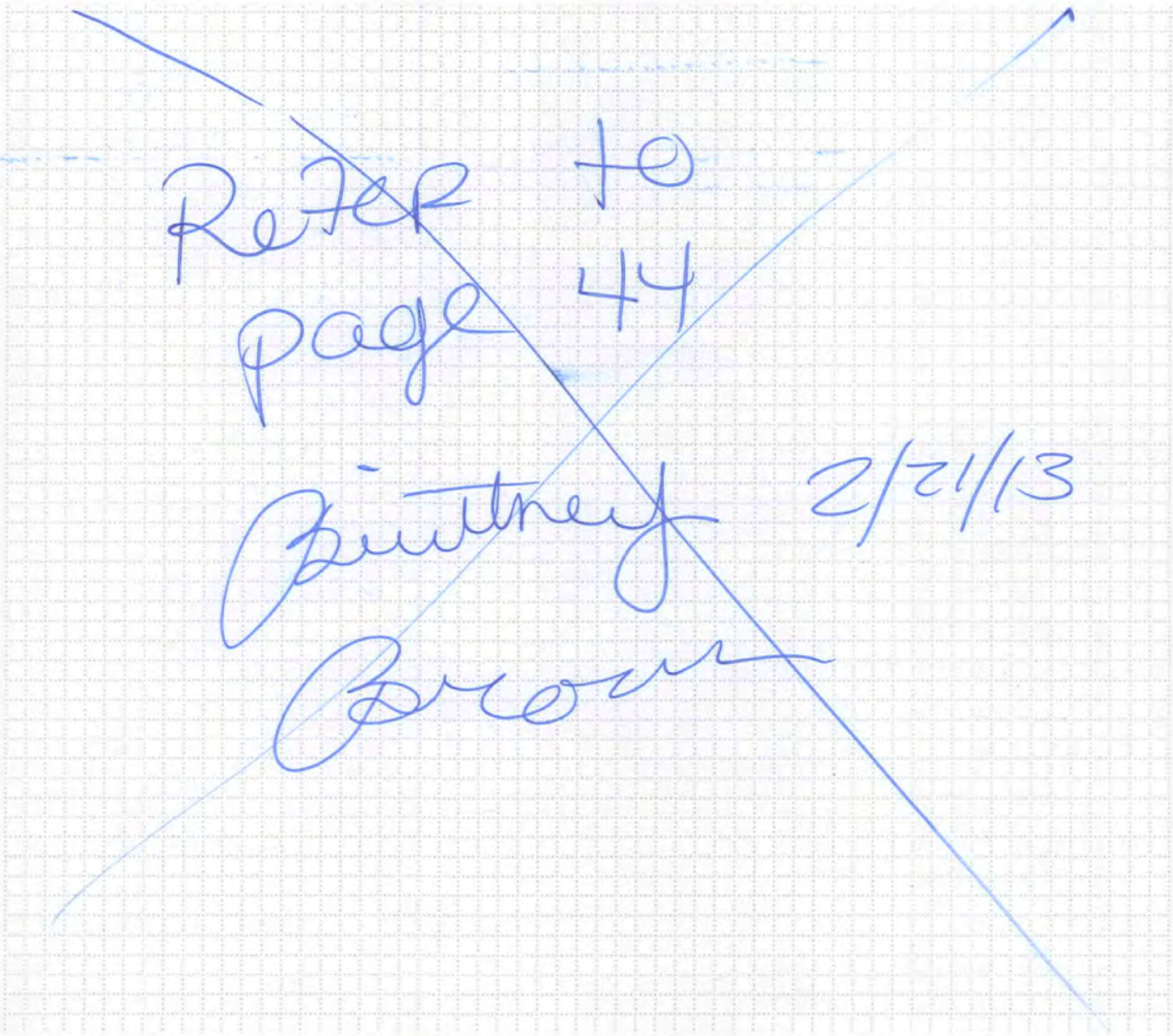
48°F, sunny

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: Fm0101C SAMPLE ID: Fm0101C-CS-5D

SAMPLE COLLECTION TIME: 1142

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0101C

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>019165</u> Logged? <input checked="" type="checkbox"/> Y or N	
Aliquot #1: Latitude: <u>33.56929865</u> N Longitude: <u>86.80350868</u> W	Media description: <u>tan/orange clay</u>
Aliquot #2: Latitude: <u>33.56930028</u> N Longitude: <u>86.80334816</u> W	Media description: <u>tan/orange clay</u>
Aliquot #3: Latitude: <u>33.56924455</u> N Longitude: <u>86.80344203</u> W	Media description: <u>Brun silty clay</u>
Aliquot #4: Latitude: <u>33.56919775</u> N Longitude: <u>86.80335039</u> W	Media description: <u>tan/orange clay</u>
Aliquot #5: Latitude: <u>33.56920332</u> N Longitude: <u>86.80349955</u> W	Media description: <u>thin layer of blk silt + gravel followed by tan/orange clay & coal</u>

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____ NOTHING FOLLOWS

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N	
Aliquot #1: Latitude: _____ N Longitude: _____ W	Media description: _____
Aliquot #2: Latitude: _____ N Longitude: _____ W	Media description: _____
Aliquot #3: Latitude: _____ N Longitude: _____ W	Media description: _____
Aliquot #4: Latitude: _____ N Longitude: _____ W	Media description: _____
Aliquot #5: Latitude: _____ N Longitude: _____ W	Media description: _____

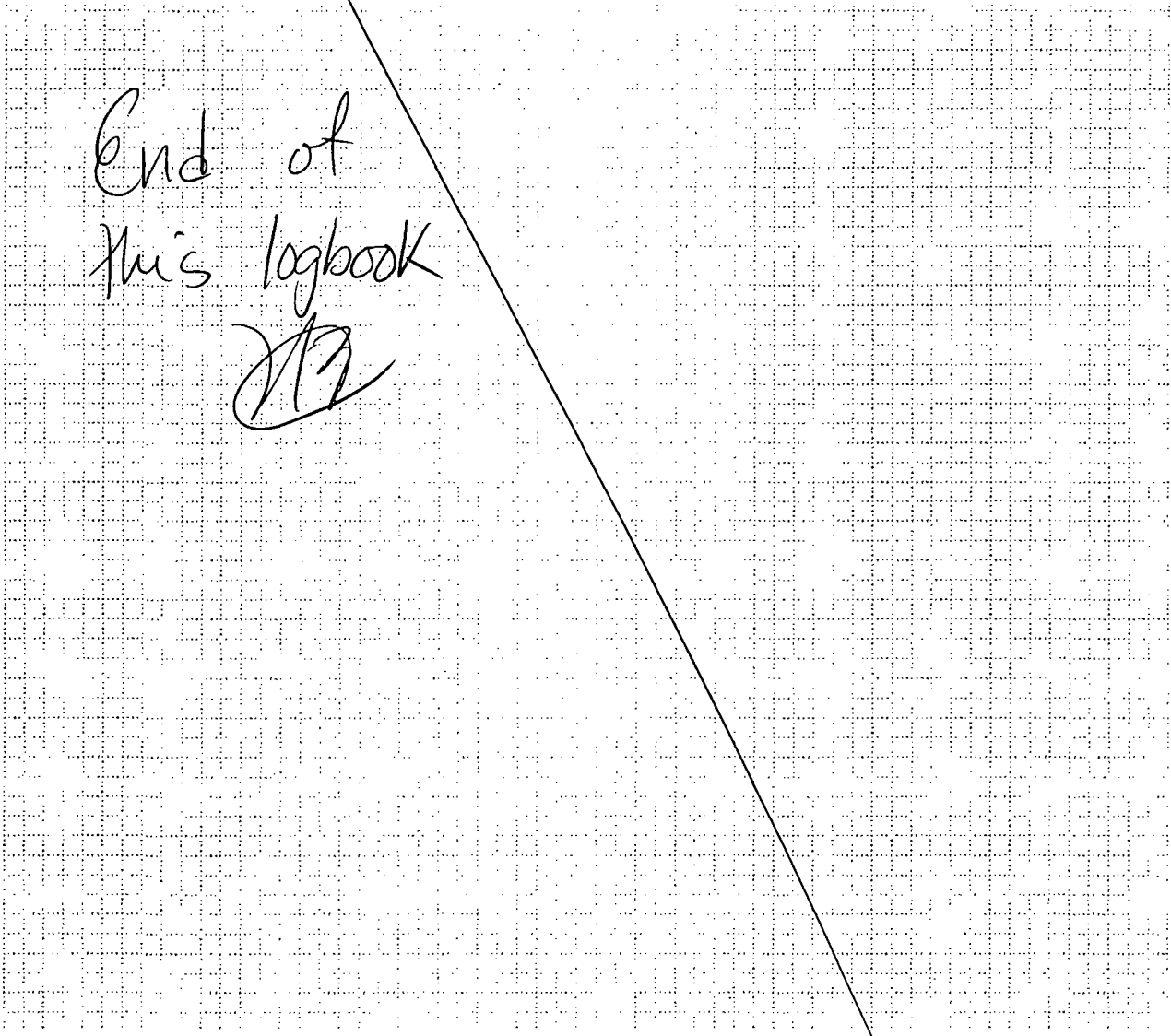
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



The remaining pages in this logbook are
blank and have not been scanned.